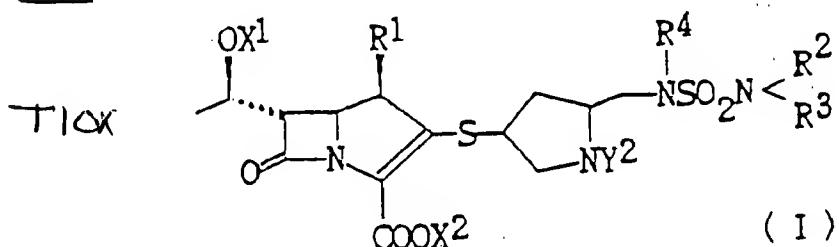


ABSTRACT OF THE DISCLOSURE

**SA** A pyrrolidylthiocarbapenem derivative represented by Formula I is provided:



**PS** wherein R<sup>1</sup> is hydrogen or lower alkyl; R<sup>2</sup>, R<sup>3</sup> and R<sup>4</sup> are hydrogen, lower alkyl which can be substituted or an amino protecting group independently, or R<sup>2</sup> and R<sup>3</sup> together with a nitrogen atom to which R<sup>2</sup> and R<sup>3</sup> are bonded form a saturated or unsaturated cyclic group, or R<sup>2</sup> and R<sup>4</sup>, or R<sup>3</sup> and R<sup>4</sup> together with two nitrogen atoms and one sulfur atom in the sufamide group form a saturated or unsaturated cyclic group; each cyclic group can further include at least one atom selected from the group consisting of oxygen, sulfur and nitrogen, and each cyclic group can be substituted; X<sup>1</sup> is hydrogen or a hydroxy protecting group; X<sup>2</sup> is hydrogen, a carboxy protecting group, an ammonio group, an alkali metal or an alkaline-earth metal; and Y<sup>2</sup> is hydrogen or an amino protecting group. **EA**